

11/29/04

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**Process for the Production of Light-Emitting Semiconductor Diodes on a Printed Circuit Board and Lighting Units with Integrated Printed Circuit Board**

10 **Abstract:**

The invention relates to a process for the production of at least one light-emitting semiconductor diode on a printed circuit board comprising printed conductors, as well as a lighting unit which comprises a printed circuit board 15 which comprises electrical printed conductors and is assembled with at least one light-emitting chip and at least one light distributing body encircling a light-emitting chip or a group of light-emitting chips in such a manner that it contacts them. For this, at least one light-emitting chip is placed on the printed circuit board. The printed circuit board is introduced into an 20 injection mold and the injection mold is injected with a thermoplast which flows through the printed circuit board through at least one through hole or flows around the printed circuit board.

With the present invention a process for the reproducible production of a 25 light-emitting semiconductor diode of high power on a printed circuit board as well as a corresponding lighting unit with integrated printed circuit board is [verb missing in source].